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* * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:28:24 ON 24 DEC 2003

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       0.21       0.21


=> s  (amidase OR peptidase OR protease OR proteinase) (10a) (Sphingomonas paucimobilis)
          1    FILE AQUASCI
          1    FILE BIOSIS
          1    FILE BIOTECHABS
          1    FILE BIOTECHDS
          1    FILE BIOTECHNO
          1    FILE CAPLUS
  25 FILES SEARCHED...
          1    FILE EMBASE
          1    FILE ESBIOBASE
          1    FILE FSTA
          1    FILE LIFESCI
  45 FILES SEARCHED...
          1    FILE PASCAL
          1    FILE SCISEARCH

  12 FILES HAVE ONE OR MORE ANSWERS,    68 FILES SEARCHED IN STNINDEX

L1    QUE (AMIDASE OR PEPTIDASE OR PROTEASE OR PROTEINASE) (10A) (SPHINGOMONAS P
        AUCIMOBILIS)

=> s l1 and py<2001
          0*   FILE ADISINSIGHT
          1    FILE AQUASCI
    6 FILES SEARCHED...
          1    FILE BIOSIS
          1    FILE BIOTECHABS
          1    FILE BIOTECHDS
          1    FILE BIOTECHNO
  12 FILES SEARCHED...
          1    FILE CAPLUS
  18 FILES SEARCHED...
          0*   FILE CONFSCI
          1    FILE EMBASE
  32 FILES SEARCHED...
          1    FILE ESBIOBASE
          0*   FILE FEDRIP
          0*   FILE FOREGE
          1    FILE FSTA
  44 FILES SEARCHED...
          1    FILE LIFESCI
          0*   FILE MEDICONF
  51 FILES SEARCHED...
          1    FILE PASCAL
  52 FILES SEARCHED...
          0*   FILE PHAR
          1    FILE SCISEARCH
  62 FILES SEARCHED...
  67 FILES SEARCHED...
```

12 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L2 QUE L1 AND PY<2001

=> file hits

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.60	6.81

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FILE 'SCISEARCH' ENTERED AT 13:36:30 ON 24 DEC 2003
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=> s l2
1 FILES SEARCHED...
4 FILES SEARCHED...
7 FILES SEARCHED...

10 FILES SEARCHED...

L3 11 L2

=> dup rem l3
PROCESSING COMPLETED FOR L3
L4 1 DUP REM L3 (10 DUPLICATES REMOVED)
ANSWER '1' FROM FILE AQUASCI

=> d bib abs 1

L4 ANSWER 1 OF 1 AQUASCI COPYRIGHT (C) 2003 FAO (on behalf of
Full Text
the ASFA Advisory Board). All Rights Reserved. on STN DUPLICATE 1
AN 2000:8070 AQUASCI
DN ASFA1 2000
TI Biosynthesis and properties of an extracelluar metalloprotease from the Antarctic marine bacterium Sphingomonas paucimobilis
AU Turkiewicz, M.; Gromek, E.; Kalinowska, H.; Zielinska, M.
CS Institute of Technical Biochemistry, Technical University of 7Lodz, 4/10 Stefanowskiego Street, Lodz 90-924, Poland); E-mail: mtur@ck-sg.p.lodz.p
SO Journal of Biotechnology [J. Biotechnol.], (**19990430**) vol. 70, no. 1-3, pp. 53-60. Special Issue: Marine Bioprocess Engineering..
ISSN: 0168-1656.
DT Journal
FS ASFA1
LA English
SL English
AB An extracelluar **protease** from the marine bacterium **Sphingomonas paucimobilis**, strain 116, isolated from the stomach of Antarctic krill, Euphausia superba Dana, was purified and characterized. The excretion of protease was maximal at temperatures from 5 to 10 degree C, i.e. below the temperature optimum for the strain growth (15 degree C). The highly purified enzyme was a metalloprotease [sensivity to ethylenediaminetetraacetic acid (EDTA)] and showed maximal activity against proteins at 20-30 degree C and pH 6.5-7.0, and towards N-benzoyl-tyrosine ethyl ester (BzTyrOEt) at pH 8.0. At 0 degree C the enzyme retained as much as 47% of maximal activity hydrolysis of urea denatured haemoglobin (Hb) (at pH 7.0), and at -5 and -10 degree C, 37 and 30%, respectively. The metalloprotease was stable up to 30 degree C for 15 min and up to 20 degree C for 60 min. These results indicate that the proteinase from S. paucimobolis 116 is a cold-adapted enzyme.

=> index bioscience
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	28.29	35.10

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 13:41:34 ON 24 DEC 2003

68 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
search error messages that display as 0* with SET DETAIL OFF.

=> s ((amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis) not l1) and py<2001

```
          0*  FILE ADISINSIGHT
   7 FILES SEARCHED...
          1   FILE BIOSIS
          0*  FILE BIOTECHABS
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN STNINDEX
INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS,
CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB,
DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, EMBASE, ESBIOBASE, FEDRIP,
FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSAFE, IFIPAT, IMSPRODUCT, JICST-EPLUS,
KOSMET, LIFESCI, MEDICONF, MEDLINE, NIOSHTIC, NTIS, NUTRACEUT, OCEAN, PASCAL,
PCTGEN, PHAR, PHARMAML, PHIC, PHIN, PROMT, RDISCLOSURE, SCISEARCH, SYNTHLINE,
TOXCENTER, USPATFULL, USPAT2, VETB, VETU, WPIDS, WPINDEX'
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CHARGED TO COST=
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                              15.40      50.50

=> s  ((amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis)
not l1) and py<2001
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   7 FILES SEARCHED...
          1   FILE BIOSIS
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN STNINDEX
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BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS,
CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB,
DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, EMBASE, ESBIOBASE, FEDRIP,
FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSAFE, IFIPAT, IMSPRODUCT, JICST-EPLUS,
KOSMET, LIFESCI, MEDICONF, MEDLINE, NIOSHTIC, NTIS, NUTRACEUT, OCEAN, PASCAL,
PCTGEN, PHAR, PHARMAML, PHIC, PHIN, PROMT, RDISCLOSURE, SCISEARCH, SYNTHLINE,
TOXCENTER, USPATFULL, USPAT2, VETB, VETU, WPIDS, WPINDEX'
AT 14:02:45 ON 24 DEC 2003
CHARGED TO COST=
          0*  FILE BIOTECHABS
  10 FILES SEARCHED...
          1   FILE BIOTECHDS
          1   FILE CABA
          3   FILE CAPLUS
  16 FILES SEARCHED...
          0*  FILE CONFSCI
  20 FILES SEARCHED...
  32 FILES SEARCHED...
          0*  FILE FEDRIP
          0*  FILE FOREGE
          2   FILE GENBANK
  43 FILES SEARCHED...
          0*  FILE MEDICONF
  50 FILES SEARCHED...
          1   FILE PASCAL
  52 FILES SEARCHED...
          0*  FILE PHAR
  62 FILES SEARCHED...
          1   FILE USPATFULL
  67 FILES SEARCHED...
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN STNINDEX
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STN Columbus

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, IMSDRUGNEWS, DRUGU, IMSRESEARCH, EMBAL, EMBASE, ESBIOBASE, FEDRIP, FOMAD, FOREGE, FROSTI, FSTA, GENBANK, HEALSAFE, IFIPAT, IMSPRODUCT, JICST-EPLUS, KOSMET, LIFESCI, MEDICONF, MEDLINE, NIOSHTIC, NTIS, NUTRACEUT, OCEAN, PASCAL, PCTGEN, PHAR, PHARMAML, PHIC, PHIN, PROMT, RDISCLOSURE, SCISEARCH, SYNTHLINE, TOXCENTER, USPATFULL, USPAT2, VETB, VETU, WPIDS, WPINDEX'
AT 14:08:34 ON 24 DEC 2003
CHARGED TO COST=

7 FILES HAVE ONE OR MORE ANSWERS, 68 FILES SEARCHED IN STNINDEX

L6 QUE ((AMIDASE OR PEPTIDASE OR PROTEASE OR PROTEINASE) AND (SPHINGOMONAS PA UCIMOBILIS) NOT L1) AND PY<2001

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	24.75	59.85

=> s (amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis) not l1
1 FILE BIOSIS
0* FILE BIOTECHABS
10 FILES SEARCHED...

=> s (amidase OR peptidase OR protease OR proteinase) and (Sphingomonas paucimobilis) not l1
1 FILE BIOSIS
0* FILE BIOTECHABS
10 FILES SEARCHED...

=> file BIOTECHDS CABA CAPLUS PASCAL USPATFULL

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	35.20	70.30

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=> s l6
3 FILES SEARCHED...

4 FILES SEARCHED...

L7 7 L6

=> dup rem l7
PROCESSING COMPLETED FOR L7
L8 6 DUP REM L7 (1 DUPLICATE REMOVED)
ANSWER '1' FROM FILE BIOTECHDS
ANSWER '2' FROM FILE CABA
ANSWERS '3-5' FROM FILE CAPLUS
ANSWER '6' FROM FILE USPATFULL

=> d bib abs 1-6

L8 ANSWER 1 OF 6 BIOTECHDS COPYRIGHT 2003 THOMSON DERWENT/ISI on Full Text
STN
AN 2000-12224 BIOTECHDS
TI Biocatalytic preparation of a chiral synthon for a vasopeptidase-inhibitor: enzymatic conversion of N2-(N-phenylmethoxy)carbonyl) L-homocysteinyl)-L-lysine (1->1')-disulfide to (4S-(4I,7I, 10aJ)) 1-octahydro-5-oxo-4-(phenylmethoxy)carbonyl)amino)-7H-pyrido-(2,1b)(1,3)thiazepine-7-carboxylic acid methyl ester by a novel L-lysine-epsilon-aminotransferase;
omapatrilat precursor preparation using **Sphingomonas paucimobilis** L-lysine-epsilon-aminotransferase and Streptomyces noursei glutamate-oxidase
AU Patel R N; Banerjee A; Nanduri V B; Goldberg S L; Johnston R M; Hanson R L; McNamee C G; Brzozowski D B; Tully T P; Ko R Y; LaPorte T L; Cazzulino D L; Swaminathan S; Chen C K; Parker L W; Venit J
CS Bristol-Squibb
LO Department of Microbial Technology and Process Development, Process Research and Development, Bristol-Myers Squibb Pharmaceutical Research Institute, P.O. Box 191, New Brunswick, NJ 08903, USA.
Email: patelr@bms.com
SO Enzyme Microb.Technol.; (**2000**) 27, 6, 376-89
CODEN: EMTED2 ISSN: 0141-0229
DT Journal
LA English
AN 2000-12224 BIOTECHDS
AB (4S-(4I,7I,10aJ)1-Octahydro-5-oxo-4-(phenylmethoxy)carbonyl)amino)-7-H-pyrido-(2,1-b)(1,3)thiazepine-7-carboxylic acid methyl ester (BMS-199541-01) is a key chiral intermediate for the preparation of omapatrilat (BMS-186716), a new vasopeptidase-inhibitor. **Sphingomonas paucimobilis** SC 16113, a soil isolate, produces a novel L-lysine-6-aminotransferase (LAT, EC-2.6.1.36) that catalyzes the oxidation of the epsilon-amino group of lysine in the dipeptide dimer N2-(N(phenyl-methoxy)-carbonyl) L-homocysteinyl) L-lysine)1,1-disulfide (BMS-201391-01) to produce BMS-199541-01. The reaction requires alpha-ketoglutaric acid as amino acceptor. Glutamic acid formed during the reaction can be recycled back to alpha-ketoglutaric acid by glutamate-oxidase (GO, EC-1.4.3.1) from Streptomyces noursei SC 6007. Fermentation processes were developed for growth of SC 16113 and SC 6007 for the production of LAT and GO, respectively. The lat gene of SC 16113 was cloned and overexpressed in Escherichia coli TOP 10 F'. A biotransformation process was developed for the conversion of BMS-201391-01 to BMS-199541-01 by using LAT expressed in E. coli. A

reaction yield of 65-70 M% was obtained. (32 ref)

L8 ANSWER 2 OF 6 CABA COPYRIGHT 2003 CABI on STN
Full Text
AN 92:56751 CABA
DN 19921966547
TI Extracellular **protease**-producing psychrotrophic bacteria from high alpine habitats
AU Schinner, F.; Margesin, R.; Pupel, T.
CS Institute of Microbiology, University of Innsbruck, 6020, Austria.
SO Arctic and Alpine Research, (**1991**) Vol. 24, No. 1, pp. 88-92. 24 ref. ISSN: 0004-0851
DT Journal
LA English
ED Entered STN: 19941101
Last Updated on STN: 19941101
AB Four hundred and thirty psychrotrophic strains of microorganisms were isolated from high alpine environments of the Western and Eastern Alps in Europe. Of the isolates, 77% were bacteria, 5% among them were actinomycetes. 20% of the isolates were yeasts, and 3% were hyphomycetes. All bacterial strains, with the exception of actinomycetes, were tested for their optimum growth temperature and screened for the production of extracellular **proteases**. The optimum temperature for growth of the majority of the bacterial strains ranged from 10 to 25[deg]C. Almost half of the bacterial strains excreted **protease** into the medium at a cultivation temperature of 10[deg]C. The major part of cell-free **protease**-containing culture filtrates showed a maximum caseinolytic activity in pH 7 and 30[deg]C. Sensitivity to EDTA indicates that most bacteria produced metalloproteases. Fifty-four producers of **protease** were selected for taxonomic characterization. The genus Pseudomonas, especially the species P. fluorescens and P. paucimobilis, were predominant.

L8 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN DUPLICATE 1
Full Text
AN 1998:797749 CAPLUS
DN 130:152586
TI Microbial synthesis of chiral intermediates for β-3-receptor agonists
AU Patel, Ramesh N.; Banerjee, Amit; Chu, Linda; Brozozowski, David; Nanduri, Venkata; Szarka, Laszlo J.
CS Department of Microbial Technology, Bristol-Myers Squibb Pharmaceutical Research Institute, New Brunswick, NJ, 08903, USA
SO Journal of the American Oil Chemists' Society (**1998**), 75(11), 1473-1482 CODEN: JAOCA7; ISSN: 0003-021X
PB AOCS Press
DT Journal
LA English
OS CASREACT 130:152586
AB Chiral intermediates were prepd. by biocatalytic processes for the chem. synthesis of β-3-receptor agonists. These include: (i) the microbial redn. of 4-benzyloxy-3-methanesulfonylamino-2'-bromoacetophenone to the corresponding (R)-alc. by **Sphingomonas paucimobilis** SC 16113. In the biotransformation process, a reaction yield of >85% and an optical purity of 99.5% were obtained for the desired (R)-alc.; (ii) the enzymic resoln. of racemic α-Me phenylalanine amide and α-methyl-4-hydroxyphenylalanine amide by **amidase** from Mycobacterium neoaurum ATCC 25795 to prep. the corresponding (S)-amino acids,. Reaction yields of 49.9 and 49 M% (theor. max. yield 50 M%) and optical purities of 99 and 94% were obtained for the resp. desired (S)-amino acids; (iii) the asym.

hydrolysis of methyl-(4-methoxyphenyl)-propanedioic acid Et diester to the corresponding (S)-monoester by pig liver esterase. A reaction yield of 96 M% and an optical purity of 96% were obtained for the (S)-monoester when reactions were carried out in a biphasic system contg. 10% ethanol at 10°.

RE.CNT 42 THERE ARE 42 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 2001:30729 CAPLUS
DN 134:143696
TI Biosynthesis and properties of an extracellular metalloprotease from the Antarctic marine bacterium **Sphingomonas paucimobilis**
AU Turkiewicz, Marianna; Gromek, Ewa; Kalinowska, Halina; Zielinska, Maria
CS Institute of Technical Biochemistry, Technical University of Lodz, Lodz, 90-924, Pol.
SO Progress in Industrial Microbiology (**1999**), 35(Marine Bioprocess Engineering), 53-60
CODEN: PIMRAS; ISSN: 0079-6352
PB Elsevier Science B.V.
DT Journal
LA English
AB An extracellular **protease** from S. paucimobilis strain 116, isolated from the stomach of Antarctic krill, Euphausia superba Dana, was purified and characterized. The excretion of the **protease** was maximal at temps. of 5-10°, i.e. below the temp. optimum for the strain growth (15°). The highly purified enzyme was a metalloprotease [sensivity to EDTA] and showed maximal activity against proteins at 20-30° and pH 6.5-7.0, and toward N-benzoyltyrosine Et ester (BzTyrOEt) at pH 8.0. At 0°, the enzyme retained as much as 47% of its maximal activity in the hydrolysis of urea-denatured Hb (at pH 7.0), and at -5 and -10°, 37 and 30%, resp. The metalloprotease was stable up to 30° for 15 min and up to 20° for 60 min. These results indicate that the **protease** from S. paucimobilis 116 is a cold-adapted enzyme.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2003 ACS on STN
Full Text
AN 1997:51538 CAPLUS
DN 126:79734
TI Use of mannanases as slime control agents
IN Van Pee, Kristine Laura Ignatius; Van Speybroeck, Michel M. P.; Van Poele, Jozef
PA W. R. Grace and Co.-Conn., USA
SO PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9636569	A1	19961121	WO 1996-EP2100	19960517 <--

W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN

	TW 474900	B	20020201	TW 1996-85105263	19960502	
	ZA 9603900	A	19970109	ZA 1996-3900	19960516	<--
	CA 2215635	AA	19961121	CA 1996-2215635	19960517	<--
	AU 9658976	A1	19961129	AU 1996-58976	19960517	<--
	AU 696190	B2	19980903			
	EP 871596	A1	19981021	EP 1996-916095	19960517	<--
	EP 871596	B1	20020828			
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, IE, FI					
	BR 9609113	A	19990202	BR 1996-9113	19960517	<--
	JP 11505565	T2	19990521	JP 1996-534558	19960517	<--
	AT 222883	E	20020915	AT 1996-916095	19960517	
	ES 2183955	T3	20030401	ES 1996-916095	19960517	
	NO 9705188	A	19980114	NO 1997-5188	19971112	<--
PRAI	EP 1995-250120	A	19950519			
	WO 1996-EP2100	W	19960517			

AB Compns. for the prevention and/or removal of biofilm on surfaces comprise $^{3}1$ mannanases, optionally in combination with $^{3}1$ enzymes selected from carbohydrases, **proteases**, lipases, glycoproteases. The use of the compns. for the prevention and/or the removal of biofilm from surfaces is also described.

L8 ANSWER 6 OF 6 USPATFULL on STN
Full Text
AN 2003:234769 USPATFULL
TI Treating compositions comprising polysaccharides
IN Barnabas, Mary Vijayarani, West Chester, OH, United States
Smets, Johan, Lubeek, BELGIUM
Barnabas, Freddy Arthur, West Chester, OH, United States
Showell, Michael Stanford, Cincinnati, OH, United States
PA The Procter & Gamble Company, Cincinnati, OH, United States (U.S. corporation)
PI US 6613733 B1 20030902
WO 2000065014 20001102 <--
AI US 2001-937261 20010924 (9)
WO 2000-US11016 20000425
PRAI US 1999-131287P 19990427 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Kopec, Mark; Assistant Examiner: Mruk, Brian P.
LREP Cook, C. Brant, Zerby, Kim W., Miller, Steven W.
CLMN Number of Claims: 13
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 3059
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AB The present invention relates to treating compositions, preferably laundry and/or color care compositions comprising polysaccharides, and methods of using such compositions to provide improved color appearance and/or pill prevention and/or abrasion resistance and/or wrinkle resistance and/or shrinkage resistance benefits, while at the same time providing improved cleaning benefits, over laundry and/or fabric and/or color care compositions without such polysaccharides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> log y
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION

STN Columbus

FULL ESTIMATED COST	42.79	113.09
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.95	-1.95

STN INTERNATIONAL LOGOFF AT 14:26:08 ON 24 DEC 2003